

## HEARING AID WITH A FLEXIBLE SHELL

## ABSTRACT OF THE DISCLOSURE

- A hearing aid assembled from three sections includes a first section having a first housing containing a microphone and electronics, a second section having a second housing containing a battery a flex circuit mounted around the battery and a third section having a compliant tip and a receiver contained within a receptacle in the tip. The flex circuit provides solderless electrical connections among the electrical components of the hearing aid. The hearing aid also includes an actuator switch that allows the user to engage the hearing aid in an ON or an OFF mode of operation.
- 10 Preferably, the actuator is electrically connected to the hearing aid without the use of solder. Connection between the first and second sections includes a mechanical securing mechanism, such as an interlocking joint.